

ABSTRACT

The object of the invention is to provide a constant velocity joint of tripod type which is both highly strong and durable, and which can maintain a low axial force and low shudder when transmitting torque at a joint angle. The constant velocity joint of tripod type comprises a roller assembly including an outer roller, an inner roller and a needle bearing located therebetween. The outer roller is provided with needle bearing retaining rings and needle bearing stop rings, at each of its upper and lower ends, respectively. The inner roller moves relative to the outer roller in the axial direction. The outer face of the inner roller and the inner face of the outer roller have generally spherical shapes of dimensions similar to each other to freely engage, respectively. The outer face of the trunnion is provided with a partially cylindrical portion with inclined relative to a trunnion centerline.

Representative drawing Figure 2.